

AMENDMENTS

In the Claims:

Please amend the following claims to read as follows:

- I 1
SUS
3/2
70. A polynucleotide comprising a contiguous sequence that is identical to a sequence of at least 8 contiguous nucleotides shown in either strand of the nucleotide sequence in Figure 59 or the nucleotide sequence shown in Figure 62 or the complement thereof, wherein said polynucleotide has a maximum length of 353 nucleotides.
 71. A polynucleotide comprising a contiguous sequence that is identical to a sequence of at least 8 contiguous nucleotides shown in either strand of the nucleotide sequence in Figure 59 or the nucleotide sequence shown in Figure 62 or the complement thereof, wherein said polynucleotide has a maximum length of 586 nucleotides.
 72. A polynucleotide comprising a contiguous sequence that is identical to a sequence of at least 8 contiguous nucleotides shown in either strand of the nucleotide sequence in Figure 72 or the nucleotide sequence shown in Figure 89 or the complement thereof, wherein said polynucleotide has a maximum length of 353 nucleotides.
 73. A polynucleotide comprising a contiguous sequence that is identical to a sequence of at least 8 contiguous nucleotides shown in either strand of the nucleotide sequence in Figure 72 or the nucleotide sequence shown in Figure 89 or the complement thereof, wherein said polynucleotide has a maximum length of 586 nucleotides.

Please add the following new claims 78-340:

- I 2
SUS
3/2
78. A polynucleotide according to any of claims 60-73 wherein said polynucleotide has a maximum length of 161 nucleotides.

79. A polynucleotide according to claim 74 wherein said polynucleotide has a maximum length of 161 nucleotides.
80. A polynucleotide according to claim 75 wherein said polynucleotide has a maximum length of 161 nucleotides.
81. A polynucleotide according to claim 76 wherein said polynucleotide has a maximum length of 161 nucleotides.
82. A polynucleotide according to claim 77 wherein said polynucleotide has a maximum length of 161 nucleotides.
83. A polynucleotide according to any of claims 60-73 wherein said polynucleotide has a maximum length of 108 nucleotides.
84. A polynucleotide according to claim 74 wherein said polynucleotide has a maximum length of 108 nucleotides.
85. A polynucleotide according to claim 75 wherein said polynucleotide has a maximum length of 108 nucleotides.
86. A polynucleotide according to claim 76 wherein said polynucleotide has a maximum length of 108 nucleotides.
87. A polynucleotide according to claim 77 wherein said polynucleotide has a maximum length of 108 nucleotides
88. A polynucleotide according to any of claims 60-73 wherein said polynucleotide is single stranded.

89. A polynucleotide according to claim 74 wherein said polynucleotide is single stranded.
90. A polynucleotide according to claim 75 wherein said polynucleotide is single stranded.
91. A polynucleotide according to claim 76 wherein said polynucleotide is single stranded.
92. A polynucleotide according to claim 77 wherein said polynucleotide is single stranded.
93. A polynucleotide according to claim 78 wherein said polynucleotide is single stranded.
94. A polynucleotide according to claim 79 wherein said polynucleotide is single stranded.
95. A polynucleotide according to claim 80 wherein said polynucleotide is single stranded.
96. A polynucleotide according to claim 81 wherein said polynucleotide is single stranded.
97. A polynucleotide according to claim 82 wherein said polynucleotide is single stranded.
98. A polynucleotide according to claim 83 wherein said polynucleotide is single stranded.

99. A polynucleotide according to claim 84 wherein said polynucleotide is single stranded.
100. A polynucleotide according to claim 85 wherein said polynucleotide is single stranded.
101. A polynucleotide according to claim 86 wherein said polynucleotide is single stranded.
102. A polynucleotide according to claim 87 wherein said polynucleotide is single stranded.
103. A polynucleotide according to any of claims 60-73 wherein said polynucleotide is DNA.
104. A polynucleotide according to claim 74 wherein said polynucleotide is DNA.
105. A polynucleotide according to claim 75 wherein said polynucleotide is DNA.
106. A polynucleotide according to claim 76 wherein said polynucleotide is DNA.
107. A polynucleotide according to claim 77 wherein said polynucleotide is DNA.
108. A polynucleotide according to claim 78 wherein said polynucleotide is DNA.
109. A polynucleotide according to claim 79 wherein said polynucleotide is DNA.
110. A polynucleotide according to claim 80 wherein said polynucleotide is DNA.
111. A polynucleotide according to claim 81 wherein said polynucleotide is DNA.

112. A polynucleotide according to claim 82 wherein said polynucleotide is DNA.
113. A polynucleotide according to claim 83 wherein said polynucleotide is DNA.
114. A polynucleotide according to claim 84 wherein said polynucleotide is DNA.
115. A polynucleotide according to claim 85 wherein said polynucleotide is DNA.
116. A polynucleotide according to claim 86 wherein said polynucleotide is DNA.
117. A polynucleotide according to claim 87 wherein said polynucleotide is DNA.
118. A polynucleotide according to claim 88 wherein said polynucleotide is DNA.
119. A polynucleotide according to claim 89 wherein said polynucleotide is DNA.
120. A polynucleotide according to claim 90 wherein said polynucleotide is DNA.
121. A polynucleotide according to claim 91 wherein said polynucleotide is DNA.
122. A polynucleotide according to claim 92 wherein said polynucleotide is DNA.
123. A polynucleotide according to claim 93 wherein said polynucleotide is DNA.
124. A polynucleotide according to claim 94 wherein said polynucleotide is DNA.
125. A polynucleotide according to claim 95 wherein said polynucleotide is DNA.
126. A polynucleotide according to claim 96 wherein said polynucleotide is DNA.
127. A polynucleotide according to claim 97 wherein said polynucleotide is DNA.

128. A polynucleotide according to claim 98 wherein said polynucleotide is DNA.
129. A polynucleotide according to claim 99 wherein said polynucleotide is DNA.
130. A polynucleotide according to claim 100 wherein said polynucleotide is DNA.
131. A polynucleotide according to claim 101 wherein said polynucleotide is DNA.
132. A polynucleotide according to claim 102 wherein said polynucleotide is DNA.
133. A polynucleotide according to any of claims 60-73 wherein said polynucleotide is labeled.
134. A polynucleotide according to claim 74 wherein said polynucleotide is labeled.
135. A polynucleotide according to claim 75 wherein said polynucleotide is labeled.
136. A polynucleotide according to claim 76 wherein said polynucleotide is labeled.
137. A polynucleotide according to claim 77 wherein said polynucleotide is labeled.
138. A polynucleotide according to claim 78 wherein said polynucleotide is labeled.
139. A polynucleotide according to claim 79 wherein said polynucleotide is labeled.
140. A polynucleotide according to claim 80 wherein said polynucleotide is labeled.
141. A polynucleotide according to claim 81 wherein said polynucleotide is labeled.
142. A polynucleotide according to claim 82 wherein said polynucleotide is labeled.

143. A polynucleotide according to claim 83 wherein said polynucleotide is labeled.
144. A polynucleotide according to claim 84 wherein said polynucleotide is labeled.
145. A polynucleotide according to claim 85 wherein said polynucleotide is labeled.
146. A polynucleotide according to claim 86 wherein said polynucleotide is labeled.
147. A polynucleotide according to claim 87 wherein said polynucleotide is labeled.
148. A polynucleotide according to claim 88 wherein said polynucleotide is labeled.
149. A polynucleotide according to claim 89 wherein said polynucleotide is labeled.
150. A polynucleotide according to claim 90 wherein said polynucleotide is labeled.
151. A polynucleotide according to claim 91 wherein said polynucleotide is labeled.
152. A polynucleotide according to claim 92 wherein said polynucleotide is labeled.
153. A polynucleotide according to claim 93 wherein said polynucleotide is labeled.
154. A polynucleotide according to claim 94 wherein said polynucleotide is labeled.
155. A polynucleotide according to claim 95 wherein said polynucleotide is labeled.
156. A polynucleotide according to claim 96 wherein said polynucleotide is labeled.
157. A polynucleotide according to claim 97 wherein said polynucleotide is labeled.

158. A polynucleotide according to claim 98 wherein said polynucleotide is labeled.
159. A polynucleotide according to claim 99 wherein said polynucleotide is labeled.
160. A polynucleotide according to claim 100 wherein said polynucleotide is labeled.
161. A polynucleotide according to claim 101 wherein said polynucleotide is labeled.
162. A polynucleotide according to claim 102 wherein said polynucleotide is labeled.
163. A polynucleotide according to claim 103 wherein said polynucleotide is labeled.
164. A polynucleotide according to claim 104 wherein said polynucleotide is labeled.
165. A polynucleotide according to claim 105 wherein said polynucleotide is labeled.
166. A polynucleotide according to claim 106 wherein said polynucleotide is labeled.
167. A polynucleotide according to claim 107 wherein said polynucleotide is labeled.
168. A polynucleotide according to claim 108 wherein said polynucleotide is labeled.
169. A polynucleotide according to claim 109 wherein said polynucleotide is labeled.
170. A polynucleotide according to claim 110 wherein said polynucleotide is labeled.
171. A polynucleotide according to claim 111 wherein said polynucleotide is labeled.
172. A polynucleotide according to claim 112 wherein said polynucleotide is labeled.
173. A polynucleotide according to claim 113 wherein said polynucleotide is labeled.

174. A polynucleotide according to claim 114 wherein said polynucleotide is labeled.
175. A polynucleotide according to claim 115 wherein said polynucleotide is labeled.
176. A polynucleotide according to claim 116 wherein said polynucleotide is labeled.
177. A polynucleotide according to claim 117 wherein said polynucleotide is labeled.
178. A polynucleotide according to claim 118 wherein said polynucleotide is labeled.
179. A polynucleotide according to claim 119 wherein said polynucleotide is labeled.
180. A polynucleotide according to claim 120 wherein said polynucleotide is labeled.
181. A polynucleotide according to claim 121 wherein said polynucleotide is labeled.
182. A polynucleotide according to claim 122 wherein said polynucleotide is labeled.
183. A polynucleotide according to claim 123 wherein said polynucleotide is labeled.
184. A polynucleotide according to claim 124 wherein said polynucleotide is labeled.
185. A polynucleotide according to claim 125 wherein said polynucleotide is labeled.
186. A polynucleotide according to claim 126 wherein said polynucleotide is labeled.
187. A polynucleotide according to claim 127 wherein said polynucleotide is labeled.
188. A polynucleotide according to claim 128 wherein said polynucleotide is labeled.

189. A polynucleotide according to claim 129 wherein said polynucleotide is labeled.
190. A polynucleotide according to claim 130 wherein said polynucleotide is labeled.
191. A polynucleotide according to claim 131 wherein said polynucleotide is labeled.
192. A polynucleotide according to claim 132 wherein said polynucleotide is labeled.
193. A polynucleotide according to any of claims 60-73 wherein said polynucleotide is RNA.
194. A polynucleotide according to claim 74 wherein said polynucleotide is RNA.
195. A polynucleotide according to claim 75 wherein said polynucleotide is RNA.
196. A polynucleotide according to claim 76 wherein said polynucleotide is RNA.
197. A polynucleotide according to claim 77 wherein said polynucleotide is RNA.
198. A polynucleotide according to claim 78 wherein said polynucleotide is RNA.
199. A polynucleotide according to claim 79 wherein said polynucleotide is RNA.
200. A polynucleotide according to claim 80 wherein said polynucleotide is RNA.
201. A polynucleotide according to claim 81 wherein said polynucleotide is RNA.
202. A polynucleotide according to claim 82 wherein said polynucleotide is RNA.
203. A polynucleotide according to claim 83 wherein said polynucleotide is RNA.

204. A polynucleotide according to claim 84 wherein said polynucleotide is RNA.
205. A polynucleotide according to claim 85 wherein said polynucleotide is RNA.
206. A polynucleotide according to claim 86 wherein said polynucleotide is RNA.
207. A polynucleotide according to claim 87 wherein said polynucleotide is RNA.
208. A polynucleotide according to claim 88 wherein said polynucleotide is RNA.
209. A polynucleotide according to claim 89 wherein said polynucleotide is RNA.
210. A polynucleotide according to claim 90 wherein said polynucleotide is RNA.
211. A polynucleotide according to claim 91 wherein said polynucleotide is RNA.
212. A polynucleotide according to claim 92 wherein said polynucleotide is RNA.
213. A polynucleotide according to claim 93 wherein said polynucleotide is RNA.
214. A polynucleotide according to claim 94 wherein said polynucleotide is RNA.
215. A polynucleotide according to claim 95 wherein said polynucleotide is RNA.
216. A polynucleotide according to claim 96 wherein said polynucleotide is RNA.
217. A polynucleotide according to claim 97 wherein said polynucleotide is RNA.
218. A polynucleotide according to claim 98 wherein said polynucleotide is RNA.
219. A polynucleotide according to claim 99 wherein said polynucleotide is RNA.

220. A polynucleotide according to claim 100 wherein said polynucleotide is RNA.
221. A polynucleotide according to claim 101 wherein said polynucleotide is RNA.
222. A polynucleotide according to claim 102 wherein said polynucleotide is RNA.
223. A polynucleotide according to claim 193 wherein said polynucleotide is labeled.
224. A polynucleotide according to claim 194 wherein said polynucleotide is labeled.
225. A polynucleotide according to claim 195 wherein said polynucleotide is labeled.
226. A polynucleotide according to claim 196 wherein said polynucleotide is labeled.
227. A polynucleotide according to claim 197 wherein said polynucleotide is labeled.
228. A polynucleotide according to claim 198 wherein said polynucleotide is labeled.
229. A polynucleotide according to claim 199 wherein said polynucleotide is labeled.
230. A polynucleotide according to claim 200 wherein said polynucleotide is labeled.
231. A polynucleotide according to claim 201 wherein said polynucleotide is labeled.
232. A polynucleotide according to claim 202 wherein said polynucleotide is labeled.
233. A polynucleotide according to claim 203 wherein said polynucleotide is labeled.
234. A polynucleotide according to claim 204 wherein said polynucleotide is labeled.

235. A polynucleotide according to claim 205 wherein said polynucleotide is labeled.
236. A polynucleotide according to claim 206 wherein said polynucleotide is labeled.
237. A polynucleotide according to claim 207 wherein said polynucleotide is labeled.
238. A polynucleotide according to claim 208 wherein said polynucleotide is labeled.
239. A polynucleotide according to claim 209 wherein said polynucleotide is labeled.
240. A polynucleotide according to claim 210 wherein said polynucleotide is labeled.
241. A polynucleotide according to claim 211 wherein said polynucleotide is labeled.
242. A polynucleotide according to claim 212 wherein said polynucleotide is labeled.
243. A polynucleotide according to claim 213 wherein said polynucleotide is labeled.
244. A polynucleotide according to claim 214 wherein said polynucleotide is labeled.
245. A polynucleotide according to claim 215 wherein said polynucleotide is labeled.
246. A polynucleotide according to claim 216 wherein said polynucleotide is labeled.
247. A polynucleotide according to claim 217 wherein said polynucleotide is labeled.
248. A polynucleotide according to claim 218 wherein said polynucleotide is labeled.
249. A polynucleotide according to claim 219 wherein said polynucleotide is labeled.
250. A polynucleotide according to claim 220 wherein said polynucleotide is labeled.

251. A polynucleotide according to claim 221 wherein said polynucleotide is labeled.
252. A polynucleotide according to any of claims 60-73 wherein said polynucleotide is an oligonucleotide.
253. A polynucleotide according to claim 74 wherein said polynucleotide is an oligonucleotide.
254. A polynucleotide according to claim 75 wherein said polynucleotide is an oligonucleotide.
255. A polynucleotide according to claim 76 wherein said polynucleotide is an oligonucleotide.
256. A polynucleotide according to claim 77 wherein said polynucleotide is an oligonucleotide.
257. A polynucleotide according to claim 78 wherein said polynucleotide is an oligonucleotide.
258. A polynucleotide according to claim 79 wherein said polynucleotide is an oligonucleotide.
259. A polynucleotide according to claim 80 wherein said polynucleotide is an oligonucleotide.
260. A polynucleotide according to claim 81 wherein said polynucleotide is an oligonucleotide.

261. A polynucleotide according to claim 82 wherein said polynucleotide is an oligonucleotide
262. A polynucleotide according to claim 83 wherein said polynucleotide is an oligonucleotide
263. A polynucleotide according to claim 84 wherein said polynucleotide is an oligonucleotide
264. A polynucleotide according to claim 85 wherein said polynucleotide is an oligonucleotide
265. A polynucleotide according to claim 86 wherein said polynucleotide is an oligonucleotide
266. A polynucleotide according to claim 87 wherein said polynucleotide is an oligonucleotide
267. A polynucleotide according to claim 222 wherein said polynucleotide is labeled.
268. An oligonucleotide according to claim 252 wherein said oligonucleotide is labeled.
269. An oligonucleotide according to claim 253 wherein said oligonucleotide is labeled.
270. An oligonucleotide according to claim 254 wherein said oligonucleotide is labeled.
271. An oligonucleotide according to claim 255 wherein said oligonucleotide is labeled.
272. An oligonucleotide according to claim 256 wherein said oligonucleotide is labeled.
273. An oligonucleotide according to claim 257 wherein said oligonucleotide is labeled.

274. An oligonucleotide according to claim 258 wherein said oligonucleotide is labeled.
275. An oligonucleotide according to claim 259 wherein said oligonucleotide is labeled.
276. An oligonucleotide according to claim 260 wherein said oligonucleotide is labeled.
277. An oligonucleotide according to claim 261 wherein said oligonucleotide is labeled.
278. An oligonucleotide according to claim 262 wherein said oligonucleotide is labeled.
279. An oligonucleotide according to claim 263 wherein said oligonucleotide is labeled.
280. An oligonucleotide according to claim 264 wherein said oligonucleotide is labeled.
281. An oligonucleotide according to claim 265 wherein said oligonucleotide is labeled.
282. An oligonucleotide according to claim 266 wherein said oligonucleotide is labeled.
283. A polynucleotide according to claim 267 wherein said polynucleotide is an oligonucleotide.
284. A composition comprising the polynucleotide of any of claims 60-73 wherein said polynucleotide is substantially isolated.
285. A composition comprising the polynucleotide of claim 74 wherein said polynucleotide is substantially isolated.
286. A composition comprising the polynucleotide of claim 75 wherein said polynucleotide is substantially isolated.

287. A composition comprising the polynucleotide of claim 76 wherein said polynucleotide is substantially isolated.
288. A composition comprising the polynucleotide of claim 77 wherein said polynucleotide is substantially isolated.
289. A composition comprising the polynucleotide of claim 78 wherein said polynucleotide is substantially isolated.
290. A composition comprising the polynucleotide of claim 79 wherein said polynucleotide is substantially isolated.
291. A composition comprising the polynucleotide of claim 80 wherein said polynucleotide is substantially isolated.
292. A composition comprising the polynucleotide of claim 81 wherein said polynucleotide is substantially isolated.
293. A composition comprising the polynucleotide of claim 82 wherein said polynucleotide is substantially isolated.
294. A composition comprising the polynucleotide of claim 83 wherein said polynucleotide is substantially isolated.
295. A composition comprising the polynucleotide of claim 84 wherein said polynucleotide is substantially isolated.
296. A composition comprising the polynucleotide of claim 85 wherein said polynucleotide is substantially isolated.

297. A composition comprising the polynucleotide of claim 86 wherein said polynucleotide is substantially isolated.
298. A composition comprising the polynucleotide of claim 87 wherein said polynucleotide is substantially isolated.
299. A composition comprising the polynucleotide of claim 88 wherein said polynucleotide is substantially isolated.
300. A composition comprising the polynucleotide of claim 89 wherein said polynucleotide is substantially isolated.
301. A composition comprising the polynucleotide of claim 90 wherein said polynucleotide is substantially isolated.
302. A composition comprising the polynucleotide of claim 91 wherein said polynucleotide is substantially isolated.
303. A composition comprising the polynucleotide of claim 92 wherein said polynucleotide is substantially isolated.
304. A composition comprising the polynucleotide of claim 93 wherein said polynucleotide is substantially isolated.
305. A composition comprising the polynucleotide of claim 94 wherein said polynucleotide is substantially isolated.
306. A composition comprising the polynucleotide of claim 95 wherein said polynucleotide is substantially isolated.

307. A composition comprising the polynucleotide of claim 96 wherein said polynucleotide is substantially isolated.
308. A composition comprising the polynucleotide of claim 97 wherein said polynucleotide is substantially isolated.
309. A composition comprising the polynucleotide of claim 98 wherein said polynucleotide is substantially isolated.
310. A composition comprising the polynucleotide of claim 99 wherein said polynucleotide is substantially isolated.
311. A composition comprising the polynucleotide of claim 100 wherein said polynucleotide is substantially isolated.
312. A composition comprising the polynucleotide of claim 101 wherein said polynucleotide is substantially isolated.
313. A composition comprising the polynucleotide of claim 102 wherein said polynucleotide is substantially isolated.
314. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of any of claims 60-73 in a suitable package.
315. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 74 in a suitable package.
316. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 75 in a suitable package.

317. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 76 in a suitable package.
318. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 77 in a suitable package.
319. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 78 in a suitable package.
320. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 79 in a suitable package.
321. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 80 in a suitable package.
322. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 81 in a suitable package.
323. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 82 in a suitable package.
324. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 83 in a suitable package.
325. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 84 in a suitable package.
326. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 85 in a suitable package.

327. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 86 in a suitable package.
328. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 87 in a suitable package.
329. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 88 in a suitable package.
330. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 95 in a suitable package.
331. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 99 in a suitable package.
332. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 113 in a suitable package.
333. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 117 in a suitable package.
334. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 133 in a suitable package.
335. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 193 in a suitable package.
336. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 223 in a suitable package.

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- 337. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 252 in a suitable package.
 - 338. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 284 in a suitable package.
 - 339. A kit for analyzing samples for the presence of HCV comprising at least one polynucleotide of claim 268 in a suitable package.
 - 340. A polynucleotide of any of claims 60-73 wherein said polynucleotide encodes a polypeptide having a sequence comprising at least 10 contiguous amino acids from an HCV1 polyprotein.
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